CONNECTORS

J2A/B connect to A11 Motherboard

TOP

J2A
20X2X0.100

DIGRTN			Power	1	2	A5_AGC	I/O	Analog
DIGRTN			Power	3	4	SUB_AGC	I/O	Analog
DIGRTN			Power	5	6	XCVR_T	Out	T voltage
DIGRTN			Power	7	8	XCVR_R	Out	R voltage
DIGRTN			Power	9	10	A10_VCOSEL	Out	Digital
PTT_REAR	In	Digital		11	12	A10_BAND1	Out	Digital
KEY0_POD	In	Digital		13	14	A10_RESET	Out	Digital
KEY1_POD	In	Digital		15	16	A10_IORESET	Out	Digital
KEY2_POD	In	Digital		17	18	A10_IOUD	Out	Digital
KEY3_POD	In	Digital		19	20	A10_CSB	Out	Digital
ENCA_POD	In	Digital		21	22	AUXOUT_R	Out	Audio
ENCB_POD	In	Digital		23	24	AUXOUT_L	Out	Audio
A12_CTS	In	RS-232		25	26	A12_FSK	In	Digital
A12_RTS	Out	RS-232		27	28	A12_SQUELCH	Out	Digital
A0_XVRTKEY_1	Out	Digital		29	30	A0_SPARE_3	I/O	Digital
A0_AMPKEY_1	Out	Digital		31	32	A0_SPARE_4	I/O	Digital
A0_AMPKEY_2	Out	Digital		33	34	A0_POWERSW+		Switch
A0_TXOUT_1	Out	Digital		35	36	A0_POWERSW-		Switch
A0_TXOUT_2	Out	Digital		37	38	A0_TXEN_1	Out	Digital
KEYER_TIP_REAR	In	Power		39	40	A0_TXEN_2	Out	Digital

R36 10K
R37 10K
R38 10K
R39 10K
R40 100K
R41 100K
+5V
GND

BOTTOM

J2B
20X2X0.100

ENA_A3	Out	Digital		1	2	+13.8V		Power
ENA_A6_1	Out	Digital		3	4	+13.8V		Power
ENA_A6_2	Out	Digital		5	6	+13.8V		Power
ENA_A10_REF	Out	Digital		7	8	+5VU		Power
ENA_A4	Out	Digital		9	10	+5VU		Power
ENA_A1	Out	Digital		11	12	+5VU		Power
ENA_A5_A	Out	Digital		13	14	DCRTN		Power
ENA_A0_1	Out	Digital		15	16	IC	In	Analog
ENA_A0_2	Out	Digital		17	18	PWR	In	Analog
ENA_A10_LATCH	Out	Digital		19	20	REF1	In	Analog
ENA_A0_3	Out	Digital		21	22	ALC	In	Analog
A5_ALCLED	In	Ditital		23	24	PWRSET	Out	Analog
A6_VCOSEL	Out	Digital		25	26	SPEAKER	Out	Analog
CLK_MASTER	Out	Digital		27	28	DIGRTN		Power
DAT_MASTER	Out	Digital		29	30	DIGRTN		Power
A10_BAND0	Out	Digital		31	32	DIGRTN		Power
A10_SCLK	Out	Digital		33	34	DIGRTN		Power
A10_SDIO	I/O	Digital		35	36	DIGRTN		Power
A12_RXD	In	RS-232		37	38	DIGRTN		Power
A12_TXD	Out	RS-232		39	40	KEYER_RING_REAR	In	Digital

COAX CONNECTIONS

Ident	Ref	Signal
4	J272	A12_AUXOUT_MAIN
14	J900	SWEEP_MAIN
17	J201	TX3IF
18	J200	RX3IF
20	J202	SUB_RX
22	J901	SWEEP_SUB
24	J203	AUX_IN
25	J280	MICROPHONE

DIGRTN
DCRTN
GND

J272
J200
J201
J202
J900
J901
J203
A12_AUXOUT_MAIN
RX3IF
TX3IF
SUB_RX
SWEEP_MAIN
SWEEP_SUB
AUX_IN
Z8 NI
Z9 NI
GND GND

J280 TMP
MICROPHONE
Z6 NI
GND GND

J10
A0_POWERSW-
A0_POWERSW+

To A8 Keypad

Right

+3.3V

J6

1	+3.3V		Power
2	KEYROW2		Digital
3	KEYROW3		Digital
4	KEYROW4		Digital
5	KEYCOL_A	(Right)	Digital
6	KEYCOL_B	(Right)	Digital
7	KEYCOL_C	(Right)	Digital
8	KEYCOL_D	(Right)	Digital

J8

1	ENC5A	Digital
2	ENC5B	Digital
3	ENC6A	Digital
4	ENC6B	Digital
5	ENC7A	Digital
6	ENC7B	Digital
7	ENC8A	Digital
8	ENC8B	Digital

Left

J7

1	ENC1A	Digital
2	ENC1B	Digital
3	ENC2A	Digital
4	ENC2B	Digital
5	ENC3A	Digital
6	ENC3B	Digital
7	ENC4A	Digital
8	ENC4B	Digital

J9

1	+5V	Power
2	+5V	Power
3	DAT_MASTER	Digital
4	ENA_A8	Digital
5	LED_DIM_PWM	Digital
6	CLK_MASTER	Digital
7	DIGRTN	Power
8	DIGRTN	Power

J5

KEYCOL_D	(Left)	Digital	8
KEYCOL_C	(Left)	Digital	7
KEYCOL_B	(Left)	Digital	6
KEYCOL_A	(Left)	Digital	5
KEYROW1		Digital	4
KEYROW0		Digital	3
DIGRTN		Power	2
+10V (MIC BIAS)		Power	1

+10V

R5
100

CPU_PHONES_SWITCH

C5
0.01uF
GND

J4

PHONES_SWITCH		Digital	1
GND		Power	2
PHONES-L		Signal	3
PHONES-R		Signal	4
KEYER_RING		Digital	5
KEYER_TIP		Digital	6
			7
PTT		Digital	8

Z1 Z2 Z3 Z4 Z5 NI Z7 NI
GND GND GND GND GND GND GND GND

Ten-Tec, Inc.		
1185 Dolly Parton Pkwy.		
Sevierville, TN 37862		
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